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(54) Title: MONITORING OF VITAMIN K NUTRITIONAL STATUS

(57) Abstract: Disclosed herein is a diagnostic apparatus for determining the level of certain nutrients in a body fluid sample, which are used by clinicians to assess proper dosages of anticoagulants, such as coumarin. Specifically exemplified is a diagnostic apparatus that determines a patient's vitamin K nutritional status by determining the level of vitamin K in a blood or serum sample based on a direct correlation with a concentration of carboxylated osteocalcin in the sample.